Peter Haeussler

List of Publications by Year
in descending order

101 papers	3,426 citations	218677 26 h-index	206112 48 g-index
147 all docs	147 docs citations	147 times ranked	2523 citing authors

#	Article	IF	Citations
1	The 2002 Denali Fault Earthquake, Alaska: A Large Magnitude, Slip-Partitioned Event. Science, 2003, 300, 1113-1118.	12.6	359
2	Imaging the transition from Aleutian subduction to Yakutat collision in central Alaska, with local earthquakes and active source data. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	228
3	Surface Rupture and Slip Distribution of the Denali and Totschunda Faults in the 3 November 2002 M 7.9 Earthquake, Alaska. Bulletin of the Seismological Society of America, 2004, 94, S23-S52.	2.3	195
4	Life and death of the Resurrection plate: Evidence for its existence and subduction in the northeastern Pacific in Paleoceneâ€“Eocene time. Bulletin of the Geological Society of America, 2003, 115, 867-880.	3.3	160
5	Geologic history of Siletzia, a large igneous province in the Oregon and Washington Coast Range: Correlation to the geomagnetic polarity time scale and implications for a long-lived Yellowstone hotspot. , 2014, 10, 692-719.		147
6	Link between ridge subduction and gold mineralization in southern Alaska. Geology, 1995, 23, 995.	4.4	123
7	Denali fault slip rates and Holoceneâ€“late Pleistocene kinematics of central Alaska. Geology, 2006, 34, 645.	4.4	97
8	Spatial variations in focused exhumation along a continental-scale strike-slip fault: The Denali fault of the eastern Alaska Range. , 2011, 7, 455-467.		92
9	The 2015 landslide and tsunami in Taan Fiord, Alaska. Scientific Reports, 2018, 8, 12993.	3.3	89
10	Geologic signature of early Tertiary ridge subduction in Alaska. , 2003, , .		82
11	Progressive deformation of the Chugach accretionary complex, Alaska, during a paleogene ridge-trench encounter. Journal of Structural Geology, 1997, 19, 139-157.	2.3	75
12	Paleoseismic potential of sublacustrine landslide records in a high-seismicity setting (south-central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	61
13	Potential seismic hazards and tectonics of the upper Cook Inlet basin, Alaska, based on analysis of Pliocene and younger deformation. Bulletin of the Geological Society of America, 2000, 112, 1414-1429.	3.3	60
14	Active Deformation Processes in Alaska, Based on 15 Years of GPS Measurements. Geophysical Monograph Series, 0, , 1-42.	0.1	57
15	Uplift and subsidence reveal a nonpersistent megathrust rupture boundary (Sitkinak Island, Alaska). Geophysical Research Letters, 2014, 41, 2289-2296.	4.0	56
16	Changing exhumation patterns during Cenozoic growth and glaciation of the Alaska Range: Insights from detrital thermochronology and geochronology. Tectonics, 2016, 35, 934-955.	2.8	52
17	Why the 2002 Denali fault rupture propagated onto the Totschunda fault: Implications for fault branching and seismic hazards. Journal of Geophysical Research, 2012, 117, .	3.3	44
18	Deep lowâ€frequency earthquakes in tectonic tremor along the Alaskaâ€Aleutian subduction zone. Journal of Geophysical Research: Solid Earth, 2013, 118, 1079-1090.	3.4	43

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19	Surface Rupture of the 2002 Denali Fault, Alaska, Earthquake and Comparison with Other Strike-Slip Ruptures. Earthquake Spectra, 2004, 20, 565-578.	3.1	42
20	Source and progression of a submarine landslide and tsunami: The 1964 Great Alaska earthquake at Valdez. Journal of Geophysical Research: Solid Earth, 2014, 119, 8502-8516.	3.4	42
21	Cenozoic tectonoâ€thermal history of the Tordrillo Mountains, Alaska: Paleoceneâ€Eocene ridge subduction, decreasing relief, and late Neogene faulting. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	41
22	Focused exhumation in the syntaxis of the western Chugach Mountains and Prince William Sound, Alaska. Bulletin of the Geological Society of America, 2013, 125, 776-793.	3.3	39
23	Neotectonics of interior Alaska and the late Quaternary slip rate along the Denali fault system. , 2017, 13, 1445-1463.		36
24	Deformation driven by subduction and microplate collision: Geodynamics of Cook Inlet basin, Alaska. Bulletin of the Geological Society of America, 2006, 118, 289-303.	3.3	35
25	An Overview of the Neotectonics of Interior Alaska: Far-Field Deformation from the Yakutat Microplate Collision. Geophysical Monograph Series, 0, , 83-108.	0.1	32
26	Beach ridges as paleoseismic indicators of abrupt coastal subsidence during subduction zone earthquakes, and implications for Alaska-Aleutian subduction zone paleoseismology, southeast coast of the Kenai Peninsula, Alaska. Quaternary Science Reviews, 2015, 113, 147-158.	3.0	32
27	Plate boundary localization, slip-rates and rupture segmentation of the Queen Charlotte Fault based on submarine tectonic geomorphology. Earth and Planetary Science Letters, 2020, 530, 115882.	4.4	31
28	Scaling the Teflon Peaks: Rock type and the generation of extreme relief in the glaciated western Alaska Range. Journal of Geophysical Research, 2012, 117, .	3.3	30
29	Detection and Assessment of a Large and Potentially Tsunamigenic Periglacial Landslide in Barry Arm, Alaska. Geophysical Research Letters, 2020, 47, e2020GL089800.	4.0	30
30	Structural evolution of an arcâ€basin: The Gravina Belt in central southeastern Alaska. Tectonics, 1992, 11, 1245-1265.	2.8	29
31	Submarine Deposition of a Subaerial Landslide in Taan Fiord, Alaska. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2443-2463.	2.8	29
32	The 30 November 2018 MwÂ7.1 Anchorage Earthquake. Seismological Research Letters, 2020, 91, 66-84.	1.9	29
33	Tectonics, Dynamics, and Seismic Hazard in the Canada-Alaska Cordillera. Geophysical Monograph Series, 0, , 297-319.	0.1	28
34	Floodâ€triggered versus earthquakeâ€triggered turbidites: A sedimentological study in clastic lake sediments (Eklutna Lake, Alaska). Sedimentology, 2020, 67, 364-389.	3.1	28
35	The role of ridge subduction in determining the geochemistry and Ndâ€“Srâ€“Pb isotopic evolution of the Kodiak batholith in southern Alaska. Tectonophysics, 2009, 464, 137-163.	2.2	26
36	Paleoseismicity and Neotectonics of the Aleutian Subduction Zone-An Overview. Geophysical Monograph Series, 0, , 43-63.	0.1	25

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37	A submarine landslide source for the devastating 1964 Chenega tsunami, southern Alaska. Earth and Planetary Science Letters, 2016, 438, 112-121.	4.4	24
38	Controls on intrusion of near-trench magmas of the Sanak-Baranof Belt, Alaska, during Paleogene ridge subduction, and consequences for forearc evolution. , 2003, , .		23
39	Varve formation during the past three centuries in three large proglacial lakes in south-central Alaska. Bulletin of the Geological Society of America, 2018, 130, 757-774.	3.3	22
40	Emplacement of the Kodiak batholith and slab-window migration. Bulletin of the Geological Society of America, 2006, 118, 1360-1376.	3.3	21
41	Neotectonics of the Yakutat Collision: Changes in Deformation Driven by Mass Redistribution. Geophysical Monograph Series, 0, , 65-81.	0.1	21
42	Focused exhumation along megathrust splay faults in Prince William Sound, Alaska. Quaternary Science Reviews, 2015, 113, 8-22.	3.0	20
43	Detrital zircon geochronology along a structural transect across the Kahiltna assemblage in the western Alaska Range: Implications for emplacement of the Alexander-Wrangellia-Peninsular terrane against North America. , 2019, 15, 1774-1808.		20
44	Deformation of the Pacific/North America Plate Boundary at Queen Charlotte Fault: The Possible Role of Rheology. Journal of Geophysical Research: Solid Earth, 2018, 123, 4223-4242.	3.4	19
45	Paleoseismology at high latitudes: Seismic disturbance of upper Quaternary deposits along the Castle Mountain fault near Houston, Alaska. Bulletin of the Geological Society of America, 2002, 114, 1296-1310.	3.3	18
46	Identifying Active Structures in the Kayak Island and Pamplona Zones: Implications for Offshore Tectonics of the Yakutat Microplate, Gulf of Alaska. Geophysical Monograph Series, 0, , 257-268.	0.1	18
47	The Sedimentary Record of the 2018 Anchorage Earthquake in Eklutna Lake, Alaska: Calibrating the Lacustrine Seismograph. Seismological Research Letters, 2020, 91, 126-141.	1.9	18
48	Turbidite stratigraphy in proglacial lakes: Deciphering trigger mechanisms using a statistical approach. Sedimentology, 2020, 67, 2332-2359.	3.1	17
49	Megathrust splay faults at the focus of the Prince William Sound asperity, Alaska. Journal of Geophysical Research: Solid Earth, 2013, 118, 5428-5441.	3.4	16
50	The Peters Hills basin, a Neogene wedge-top basin on the Broad Pass thrust fault, south-central Alaska. , 2017, 13, 1464-1488.		16
51	Combined Effects of Tectonic and Landslide-Generated Tsunami Runup at Seward, Alaska During the M W 9.2 1964 Earthquake. Pure and Applied Geophysics, 2011, 168, 1053-1074.	1.9	15
52	Neogene Exhumation of the Tordrillo Mountains, Alaska, and Correlations With Denali (Mount) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.1	14
53	Modern Salt-Marsh and Tidal-Flat Foraminifera From Sitkinak and Simeonof Islands, Southwestern Alaska. Journal of Foraminiferal Research, 2013, 43, 88-98.	0.5	14
54	New approach to assessing age uncertainties â€“ The 2300-year varve chronology from Eklutna Lake, Alaska (USA). Quaternary Science Reviews, 2019, 203, 90-101.	3.0	14

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55	Tilting, burial, and uplift of the Guadalupe Igneous Complex, Sierra Nevada, California. Bulletin of the Geological Society of America, 1993, 105, 1310-1320.	3.3	14
56	Emplacement, rapid burial, and exhumation of 90-Ma plutons in southeastern Alaska. Canadian Journal of Earth Sciences, 2004, 41, 87-102.	1.3	13
57	Holocene Slip Rate for the Western Segment of the Castle Mountain Fault, Alaska. Bulletin of the Seismological Society of America, 2007, 97, 1019-1024.	2.3	13
58	Numerical Study of Tsunami Generated by Multiple Submarine Slope Failures in Resurrection Bay, Alaska, during the MW 9.2 1964 Earthquake. Pure and Applied Geophysics, 2009, 166, 131-152.	1.9	13
59	Basement and Regional Structure Along Strike of the Queen Charlotte Fault in the Context of Modern and Historical Earthquake Ruptures. Bulletin of the Seismological Society of America, 2015, 105, 1090-1105.	2.3	13
60	Brittle deformation along the Gulf of Alaska margin in response to Paleocene-Eocene triple junction migration. , 2003, , .		12
61	Orogenesis from Subducting Thick Crust and Evidence from Alaska. Geophysical Monograph Series, 0, , 337-349.	0.1	12
62	Strain partitioning in Southeastern Alaska: Is the Chatham Strait Fault active?. Earth and Planetary Science Letters, 2018, 481, 362-371.	4.4	12
63	Slope failure and mass transport processes along the Queen Charlotte Fault, southeastern Alaska. Geological Society Special Publication, 2019, 477, 69-83.	1.3	12
64	Extreme Quaternary plate boundary exhumation and strike slip localized along the southern Fairweather fault, Alaska, USA. Geology, 2021, 49, 602-606.	4.4	12
65	New Imaging of Submarine Landslides from the 1964 Earthquake Near Whittier, Alaska, and a Comparison to Failures in Other Alaskan Fjords. Advances in Natural and Technological Hazards Research, 2014, , 361-370.	1.1	12
66	Active Tectonics of Interior Alaska: Seismicity, Gps Geodesy, and Local Geomorphology. Geophysical Monograph Series, 0, , 109-133.	0.1	11
67	Focused rock uplift above the subduction dÃ©collement at Montague and Hinchinbrook Islands, Prince William Sound, Alaska. , 2015, 11, 144-159.		11
68	Contemporary Fault Mechanics in Southern Alaska. Geophysical Monograph Series, 0, , 321-336.	0.1	10
69	Bathymetry and Geomorphology of Shelikof Strait and the Western Gulf of Alaska. Geosciences (Switzerland), 2019, 9, 409.	2.2	10
70	Intertidal Biological Indicators of Coseismic Subsidence during the Mw 7.8 Haida Gwaii, Canada, Earthquake. Bulletin of the Seismological Society of America, 2015, 105, 1265-1279.	2.3	9
71	Late Paleoceneâ€“Early Eocene Paleosols and a New Measure of the Transport Distance of Alaskaâ€™s Yakutat Terrane. Journal of Geology, 2017, 125, 113-123.	1.4	9
72	Submarine Slope Failures Near Seward, Alaska, During The M9.2 1964 Earthquake. , 2007, , 269-278.		9

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73	Reassessment Of Seismically Induced, Tsunamigenic Submarine Slope Failures In Port Valdez, Alaska, USA. , 2007, , 357-365.		9
74	A Closer Look at an Undersea Source of Alaskan Earthquakes. Eos, 2017, 98, .	0.1	9
75	Yakataga Fold-and-Thrust Belt: Structural Geometry and Tectonic Implications of a Small Continental Collision Zone. Geophysical Monograph Series, 0, , 237-256.	0.1	8
76	Stress Map for Alaska from Earthquake Focal Mechanisms. Geophysical Monograph Series, 0, , 351-367.	0.1	8
77	Metamorphism within the Chugach accretionary complex on southern Baranof Island, southeastern Alaska. , 2003, , .		7
78	Landslides and Megathrust Splay Faults Captured by the Late Holocene Sediment Record of Eastern Prince William Sound, Alaska. Bulletin of the Seismological Society of America, 2015, 105, 2343-2353.	2.3	7
79	Exhumation in the Chugach-Kenai Mountain Belt Above the Aleutian Subduction Zone, Southern Alaska. Geophysical Monograph Series, 0, , 151-166.	0.1	6
80	Cretaceous to Oligocene magmatic and tectonic evolution of the western Alaska Range: Insights from U-Pb and 40Ar/39Ar geochronology. , 2021, 17, 118-153.		6
81	Paleoseismological Records of Multiple Great Earthquakes in Southcentral Alaska: A 4000-Year Record at Girdwood. Geophysical Monograph Series, 0, , 185-199.	0.1	5
82	Tsunamigenic Splay Faults Imply a Longâ€Term Asperity in Southern Prince William Sound, Alaska. Geophysical Research Letters, 2019, 46, 3764-3772.	4.0	5
83	Pace and Process of Active Folding and Fluvial Incision Across the Kantishna Hills Anticline, Central Alaska. Geophysical Research Letters, 2019, 46, 3235-3244.	4.0	5
84	Historic and Paleo-Submarine Landslide Deposits Imaged Beneath Port Valdez, Alaska: Implications for Tsunami Generation in a Glacial Fiord. , 2010, , 411-421.		5
85	Introduction to the Special Issue on the 2012 Haida Gwaii and 2013 Craig Earthquakes at the Pacific-North America Plate Boundary (British Columbia and Alaska). Bulletin of the Seismological Society of America, 2015, 105, 1053-1057.	2.3	4
86	Dropstones in Lacustrine Sediments as a Record of Snow Avalanchesâ€"A Validation of the Proxy by Combining Satellite Imagery and Varve Chronology at Kenai Lake (South-Central Alaska). Quaternary, 2019, 2, 11.	2.0	4
87	Unravelling a 2300 year long sedimentary record of megathrust and intraslab earthquakes in proglacial Skilak Lake, southâ€central Alaska. Sedimentology, 2022, 69, 2151-2180.	3.1	4
88	Challenges in Making a Seismic Hazard Map for Alaska and the Aleutians. Geophysical Monograph Series, 0, , 385-397.	0.1	3
89	Toward a Time-Dependent Probabilistic Seismic Hazard Analysis for Alaska. Geophysical Monograph Series, 0, , 399-416.	0.1	3
90	Seismicity of the Prince William Sound Region and Its Relation to Plate Structure and the 1964 Great Alaska Earthquake. Geophysical Monograph Series, 0, , 201-214.	0.1	2

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91	Does a Boundary of the Wrangell Block Extend Through Southern Cook Inlet and Shelikof Strait, Alaska?. Geophysical Monograph Series, 0, , 287-295.	0.1	2
92	Geophysical Advances Triggered by 1964 Great Alaska Earthquake. Eos, 2014, 95, 141-142.	0.1	2
93	A tribute to George Plafker. Quaternary Science Reviews, 2015, 113, 3-7.	3.0	2
94	Fault Interaction in Alaska: Static Coulomb Stress Transfer. Geophysical Monograph Series, 0, , 417-430.	0.1	1
95	Why the 1964 Great Alaska Earthquake Matters 50 Years Later. Seismological Research Letters, 2014, 85, 245-251.	1.9	1
96	Late Quaternary deglaciation of Prince William Sound, Alaska. Quaternary Research, 0, , 1-20.	1.7	1
97	Numerical Study of Tsunami Generated by Multiple Submarine Slope Failures in Resurrection Bay, Alaska, during the M w 9.2 1964 Earthquake. , 2009, , 131-152.		1
98	Post glacial sediment supply and depositional history for the coastal areas of southern Alaska: new insights from seismic reflection data. , 2013, , .		0
99	Evidence for Large Holocene Earthquakes along the Denali Fault in Southwest Yukon, Canada. Environmental and Engineering Geoscience, 2020, 26, 149-166.	0.9	0
100	Submarine Landslide Kinematics Derived From Highâ€Resolution Imaging in Port Valdez, Alaska. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018007.	3.4	0
101	Three-dimensional shape and structure of the Susitna basin, south-central Alaska, from geophysical data. , 2020, 16, 969-990.		0